

Suspend/Resume

Michael Burnett

mburnett@eos.hitc.com

13 June 1996

ECS Release B 3DR - SDSRV Detailed Design - Scenario



Suspending and Resuming a Session 4.5.26-33

- **Scenario Purpose**
 - Demonstrate how SDSRV supports suspension and resumption of client sessions
- **Scenario Results**
 - “client’s” suspended session is resumed and context is restored
- **Design Topics Addressed**
 - New Release B Capability - Suspend and Resume Sessions

Session Definition

The context between a client and a server, established by a series of interactions.

SDSRV sessions are defined by the granules referenced (URs) and submitted requests.

Suspended sessions are retained by saving the list of granule URs and the queued and active requests.

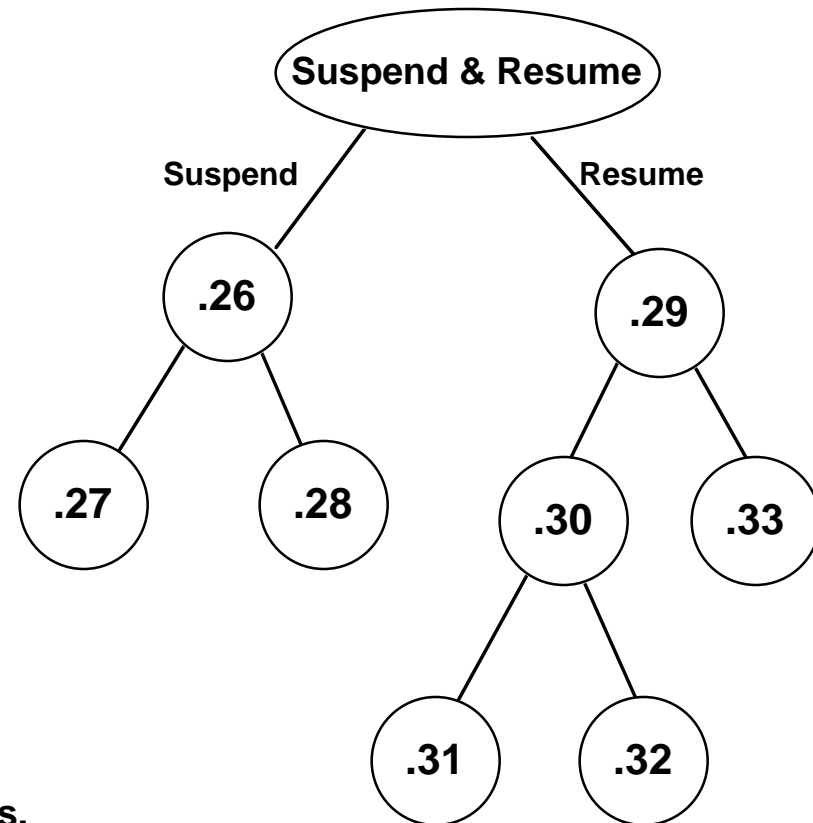
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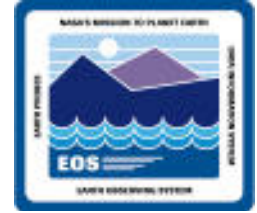
RoadMap to Suspending and Resuming a Session 4.5.26 - 33 (cont'd)

- 4.5.26 Suspend Initial Closing (1)
- 4.5.27 Suspend Client Side (2)
- 4.5.28 Suspend Server Side (3)
- 4.5.29 Resume Session Client Side (4)
- 4.5.30 Resume Session Server Side (5)
- 4.5.31 Reconstructing the Session (Ge) Object (6)
- 4.5.32 Restoring the Server Side Session (7)
- 4.5.33 Restoring the Client Side Session State (8)



Note: DSS clients are always software applications.
“Client” refers to “client” software applications, not necessarily CLS.

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Suspending and Resuming a Session - Suspending

- **Preconditions**
 - Client has established a session with the SDSRV
 - Client has performed a search and has at least one UR in the working collection
 - Client has submitted multiple requests
 - The request to suspend the session has been given the highest priority in the request queue so that the server can expedite the necessary session suspend activities
- **Events**
 - SDSRV returns a UR of the session to the client
 - SDSRV allows requests in progress to complete
 - SDSRV suspends the session

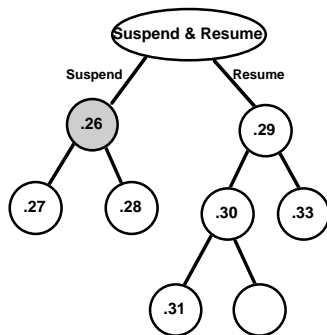
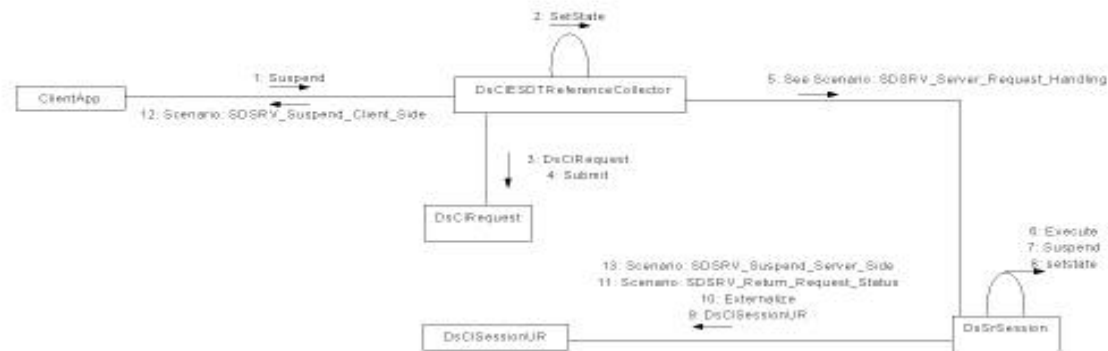


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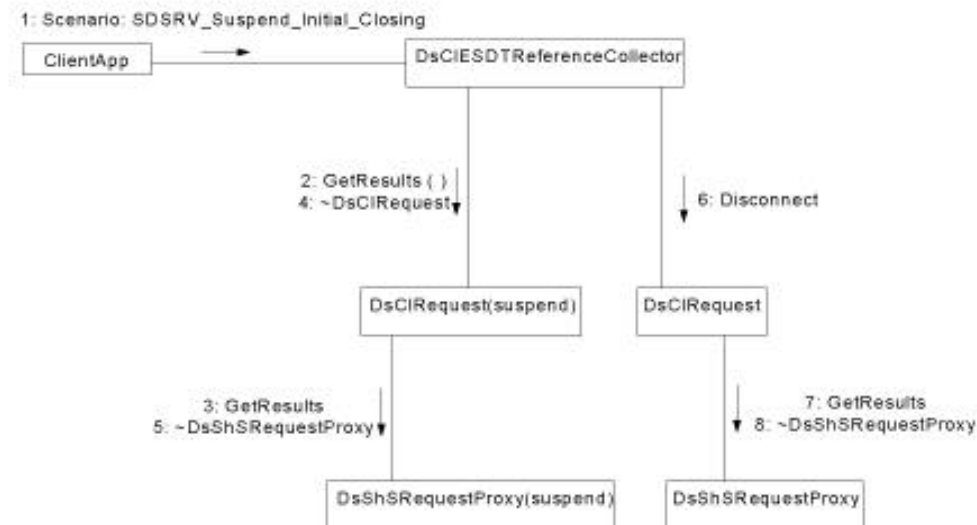
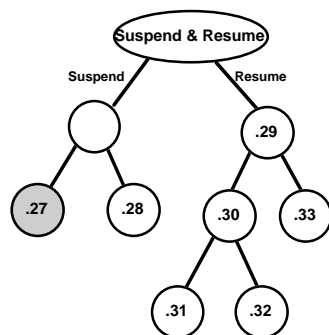
Suspending and Resuming a Session (1)

Suspend Initial Closing 4.5.26



File: /home/marissal/dsrm/scene.mdi Wed Jun 8 12:55:06 1988 Object: Message Diagram: c:/SDSRV_Suspend_and_Resume(1)_Suspend_initial_Closing Page 1

Suspend Client Side 4.5.27



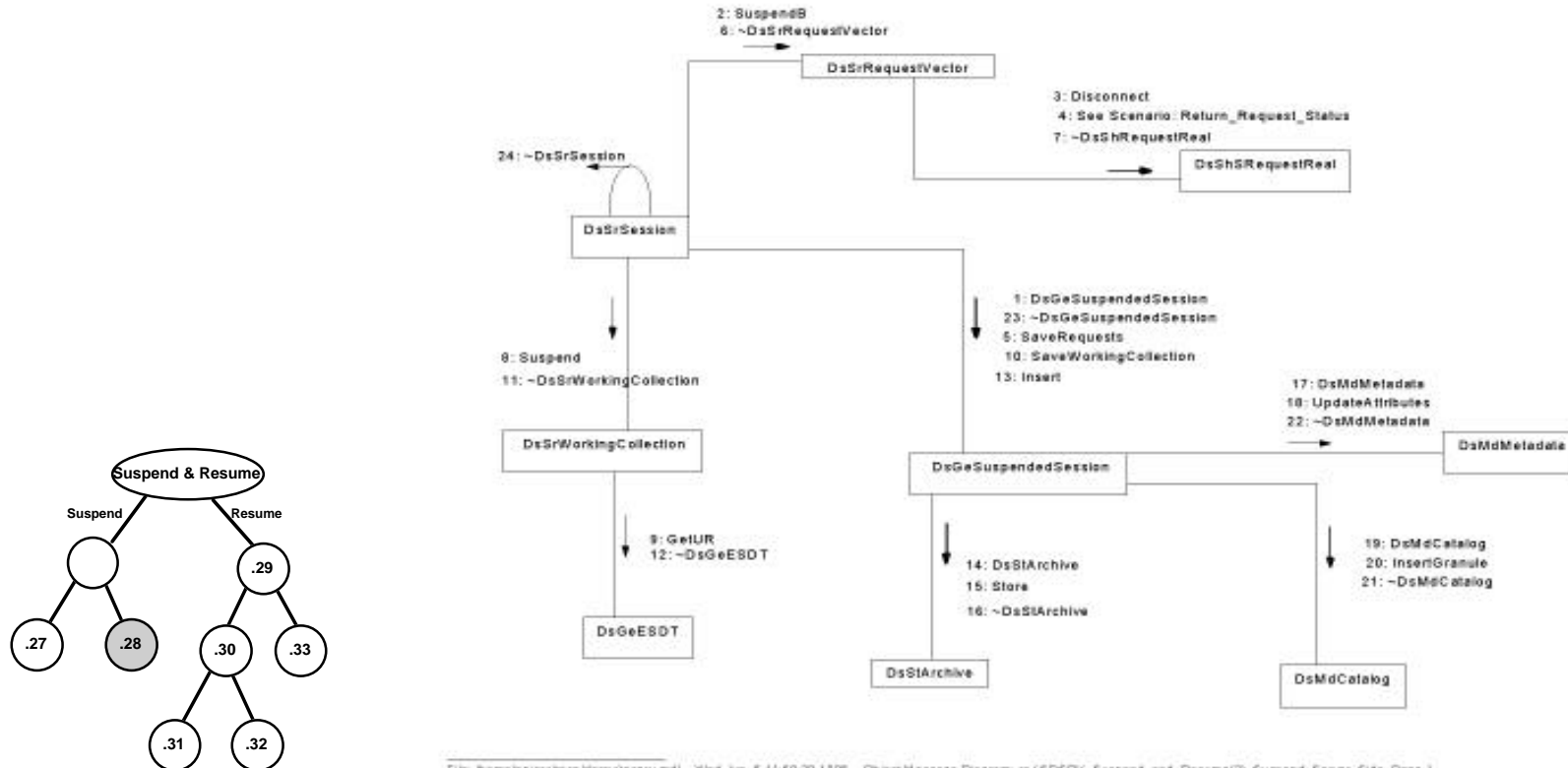


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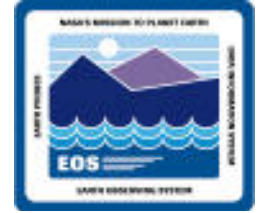
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Suspending and Resuming a Session (3)

Suspend Server Side 4.5.28



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Suspending and Resuming a Session - Resuming

- **Preconditions**

- SDSRV server has stored the session information and supplied the UR for the session to the Client
- SDSRV has successfully completed suspension of the session being requested for resumption

- **Events**

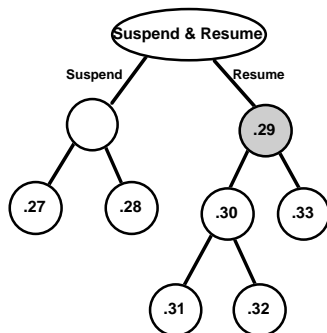
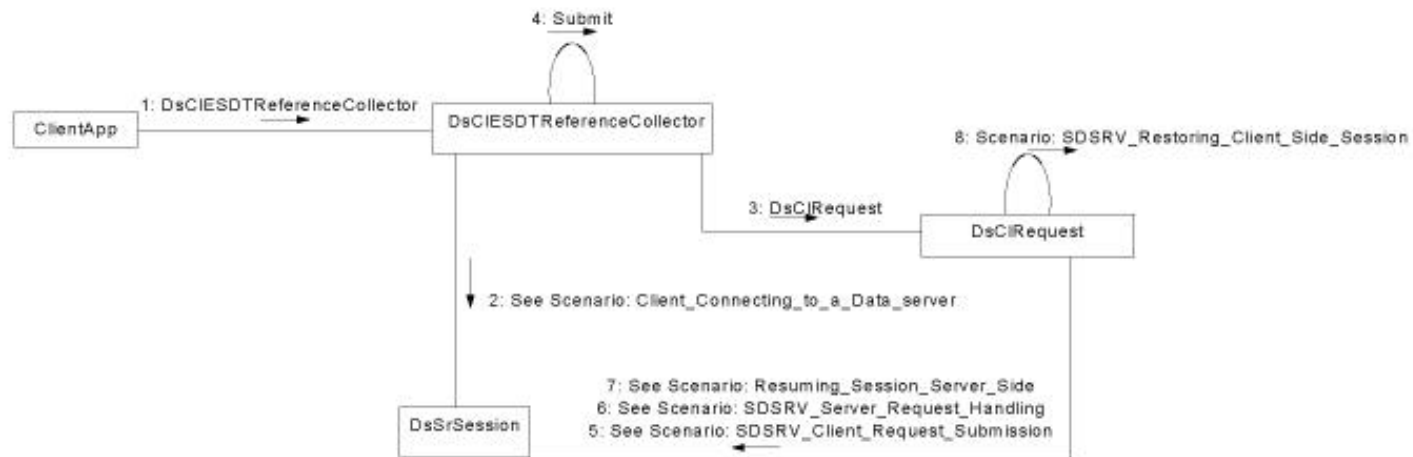
- Client requests the SDSRV to resume the session
- Client reconstructs its context using the client-side working collection and session classes

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Suspending and Resuming a Session (4) Resume Session Client Side 4.5.29



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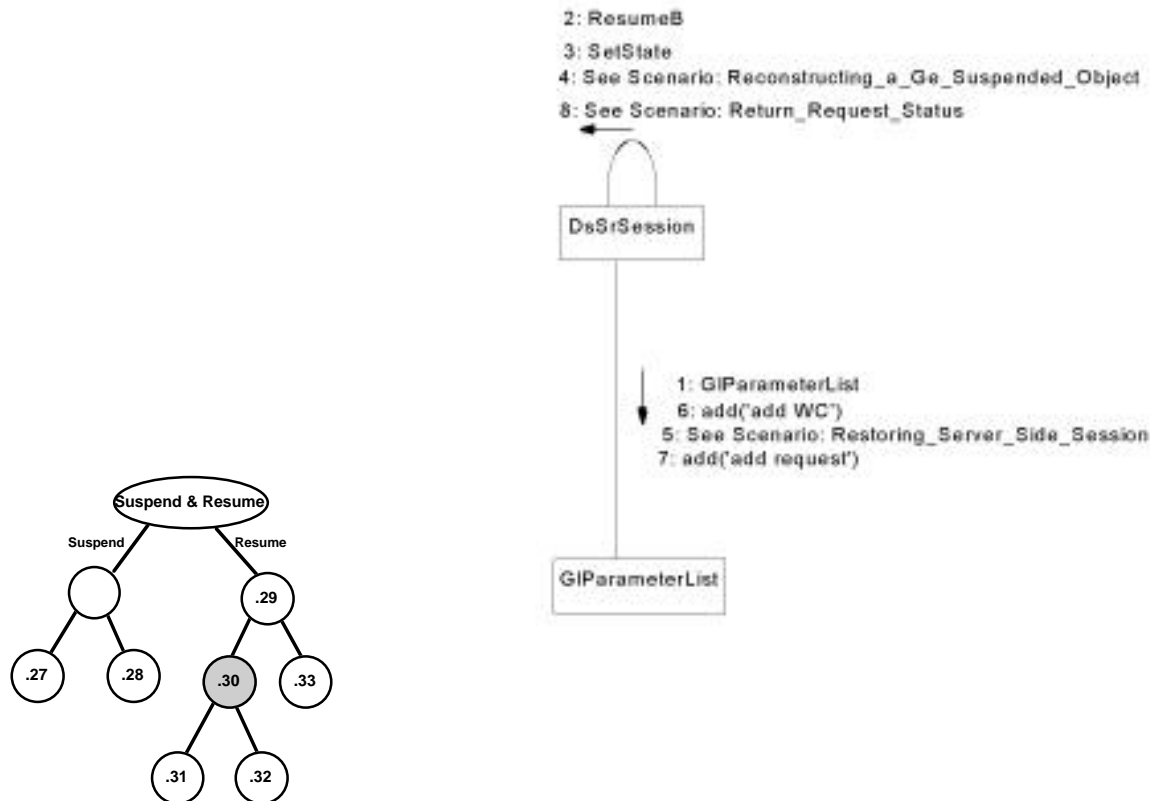
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Suspending and Resuming a Session (5) Resume Session Server Side 4.5.30

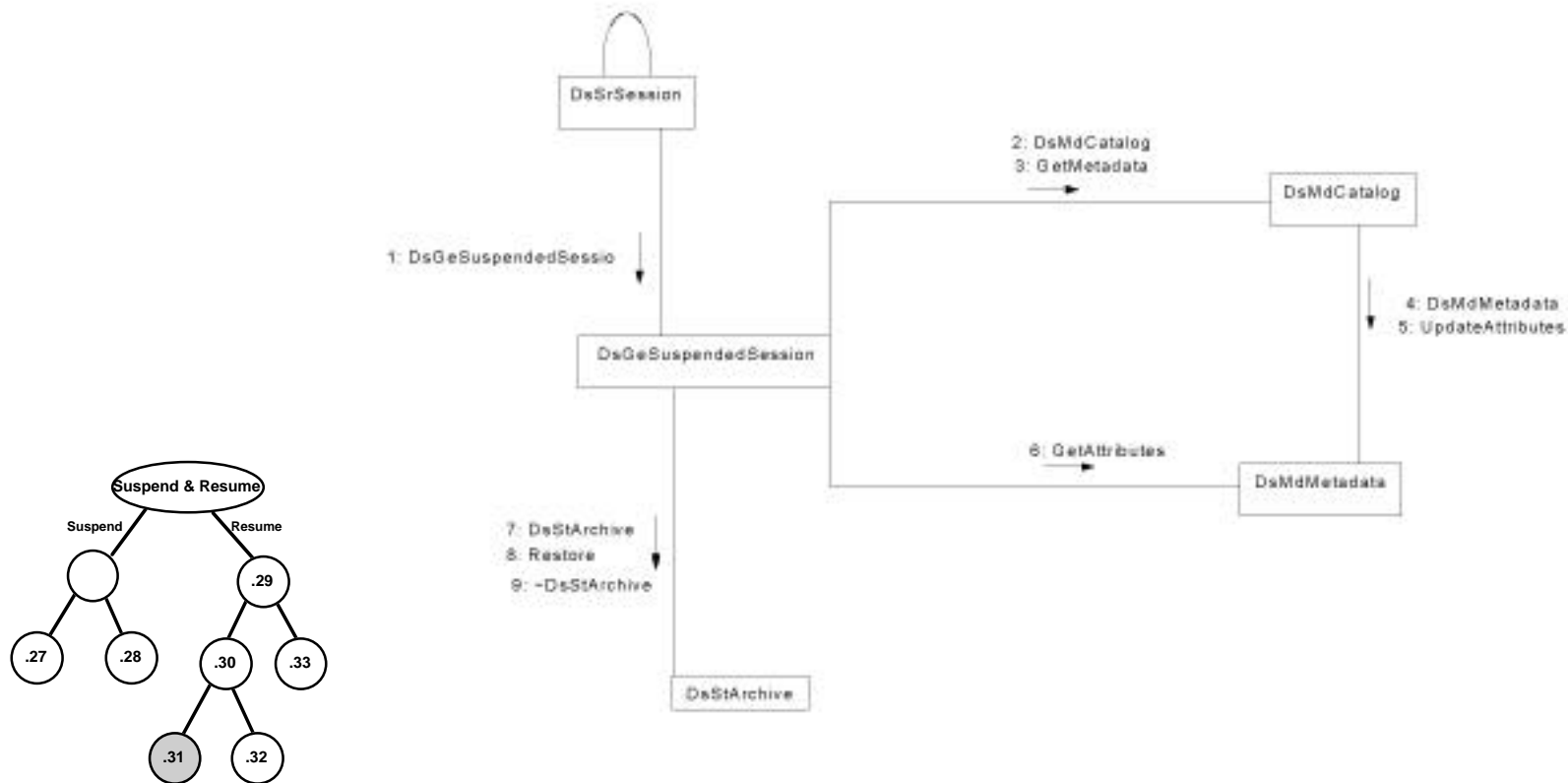


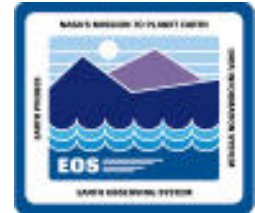
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Suspending and Resuming a Session (6) Reconstructing the Session Object 4.5.31

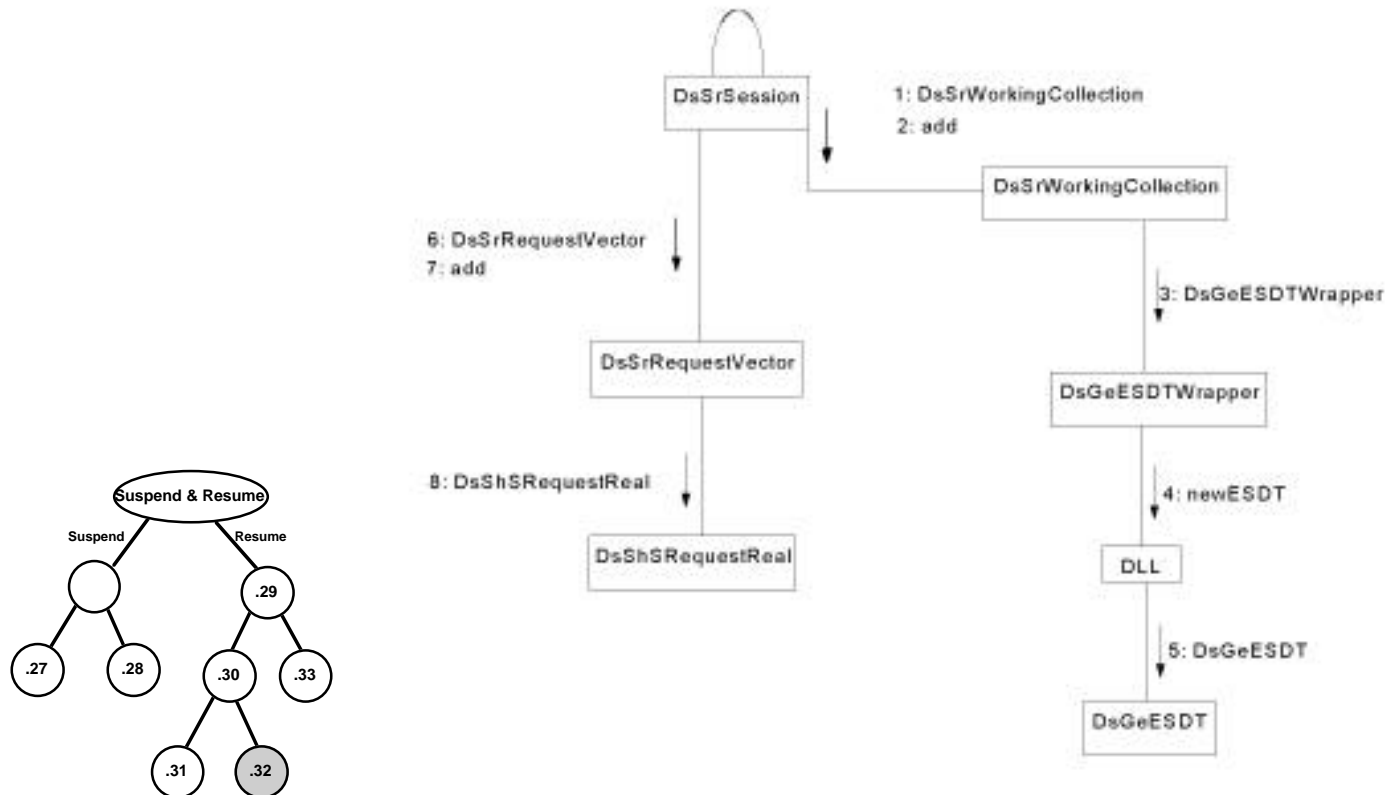


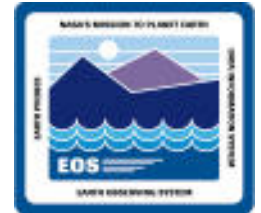


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Suspending and Resuming a Session (7) Restoring the Server Side Session 4.5.32





1: Geoflexite

2: Hydrostat